

Title (en)  
Cement admixture and cement composition comprising this

Title (de)  
Zementzusatzmittel und Zementzusammensetzung, die dieses enthält

Title (fr)  
Additif pour ciment et composition de ciment le contenant

Publication  
**EP 1149808 B1 20080528 (EN)**

Application  
**EP 01109696 A 20010419**

Priority  
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Abstract (en)  
[origin: EP1149808A2] The present invention provides: a cement admixture which displays excellent cracking inhibition effect and brings about good fluidity even if the quantity of the cement admixture as added is small; and a cement composition comprising this cement admixture. The cement admixture comprises a polyalkylene glycol (A) and a polyalkylene glycol mono(meth)acrylate/unsaturated carboxylic acid-based copolymer (B), wherein: the average molecular weight (X) of the (A) is in the range of 400 to 10,000; the average molecular weight (X) of the (A) and the average molecular weight (Y) of a polyalkylene glycol chain portion of the (B) satisfy  $0.9 < (X/Y) < 1.1$ ; the weight ratio of the (A) to the (B) is in the range of  $(A)/(B) = 0.02$  to  $0.3$ ; and the milliequivalent number of carboxyl groups in the polyalkylene glycol mono(meth)acrylate/unsaturated carboxylic acid-based copolymer (B) is in the range of  $0.25$  to  $5.00$  meq/g assuming all the carboxyl groups in the copolymer (B) to be in unneutralized forms. The cement composition at least comprises the above cement admixture, water, and cement.

IPC 8 full level  
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Cited by  
EP1426349A4; EP1795511A1; AU2006323956B2; US8246741B2; WO2007065952A1

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